

VELS UNIVERSITY					
SCHOOL OF ENGINEERING					
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING					
Sl.No.	TITLE OF THE PAPER	EXAM HOURS	INTERNAL MARK	UNIVERSITY MARK	CREDIT
FIRST SEMESTER					
1	Technical English -1	3	25	75	4
2	Mathematics -1	3	25	75	4
3	Engineering Physics-1	3	25	75	3
4	Engineering Chemistry-1	3	25	75	3
5	Basic Civil and Mechanical Engineering	3	25	75	4
6	Fundamentals of Computing and Prog.	3	25	75	3
7	Computer Practice Laboratory	3	25	75	2
8	Physics & Chemistry Laboratory	3	25	75	2
TOTAL NO OF CREDITS					25

SECOND SEMESTER					
1	Technical English -II	3	25	75	4
2	Mathematics -II	3	25	75	4
3	Engineering Physics-II	3	25	75	3
4	Engineering Chemistry-II	3	25	75	3
5	Electronic Circuits and Electron Devices	3	25	75	4
6	Engineering Graphics	3	25	75	5
7	Circuits & Devices Lab	3	25	75	2
8	Engineering Practices Laboratory	3	25	75	2
TOTAL NO OF CREDITS					27

THIRD SEMESTER					
1	Mathematics III	3	25	75	4
2	Electron Devices	3	25	75	4
3	Digital Electronics	3	25	75	4
4	Electronic Circuits - 1	3	25	75	3
5	Data Structures	3	25	75	4
6	Network Analysis	3	25	75	4
7	Electron Devices and circuits Laboratory	3	25	75	2
8	Data Structures Laboratory	3	25	75	2
TOTAL NO OF CREDITS					27

FOURTH SEMESTER					
1	Random Process	3	25	75	4
2	Electronic Circuits -II	3	25	75	4
3	Signals and Systems	3	25	75	4
4	Linear Integrated Circuits	3	25	75	3
5	Electromagnetic Fields	3	25	75	4
6	Measurements and Instrumentation	3	25	75	4
7	Electronic Circuits Laboratory - II	3	25	75	2
8	Digital and Linear Integrated Circuits Lab	3	25	75	2
TOTAL NO OF CREDITS					27

FIFTH SEMESTER					
1	Numerical Methods	3	25	75	4
2	Transmission Lines and Wave Guides	3	25	75	3
3	Digital Signal Processing	3	25	75	4
4	Analog Communication	3	25	75	4
5	Microprocessors and its Application	3	25	75	3
6	Control System	3	25	75	3
7	Digital Signal Processing laboratory	3	25	75	3
8	Microprocessors and its Application Lab.	3	25	75	3
TOTAL NO OF CREDITS					27

SIXTH SEMESTER					
1	Digital Communication	3	25	75	4
2	Computer Networks	3	25	75	3
3	Television and Video Engineering	3	25	75	4
4	Digital Image Processing	3	25	75	4
5	Computer Architecture	3	25	75	3
6	Principles of Management	3	25	75	3
7	Communication System Lab	3	25	75	2
8	Electronic System Design Lab	3	25	75	2
TOTAL NO OF CREDITS					25

SEVENTH SEMESTER					
1	Total Quality Management	3	25	75	3
2	VLSI Design	3	25	75	3
3	Optical Communication	3	25	75	4
4	Microwave Engineering	3	25	75	3
5	Elective -I	3	25	75	4
6	Elective -II	3	25	75	4
7	VLSI Lab	3	25	75	2
8	Microwave and Optical Lab	3	25	75	2
TOTAL NO OF CREDITS					25

EIGHTH SEMESTER					
1	Satellite Communication	3	25	75	4
2	Elective -I	3	25	75	4
3	Elective -II	3	25	75	4
4	Project Work	3	25	75	13
TOTAL NO OF CREDITS					25